

**NEW ATTORNEY DOCKET NO.:MCE04-17** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Donald K. Mitchell

Serial No.:

10/614,535

For:

MULTI-TRACK OPTICAL ENCODER EMPLOYING BEAM DIVIDER

Filing Date: July 7, 2003

Examiner:

Not Yet Assigned

Art Unit:

2881

## Certificate of Mailing Under 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450 on:

Date: December 6, 2004

By: Tammy L. Rosado

(Typed or printed name of person mailing Document, whose signature appears below)

MAIL STOP AMENDMENT Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

# TRANSMITTAL LETTER

Sir:

#### Enclosed is/are:

- Transmittal Letter (this form, 2 pages, in duplicate), Total Pages: 4; [x]
- Information Disclosure Statement, Total Pages: 3; [x]
- PTO-1449 Form, Total Pages: 1; [x]
- Copy of the International Search Report, Total Pages: 6; [X]
- Return Receipt Pre-paid Postcard (in duplicate), Total Postcards: 2;

U.S. Application No.: <u>10/614,535</u>

Attorney Docket No.: MCE04-17

- 2 -

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600, in Westborough, Massachusetts.

Respectfully submitted,

Bv:

James #. Thompson, Esq.

U.S.P.J.O. Registration No.: 36,699

Attorney for Applicant

CHAPIN & HUANG, L.L.C. Westborough Office Park

1700 West Park Drive

Westborough, Massachusetts 01581

Telephone: (508) 366-9600 Facsimile: (508) 616-9805

Attorney Docket No.: MCE04-17

Dated: December 6, 2004

**NEW ATTORNEY DOCKET NO.: MCE04-17** 

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ślicant:

Donald K. Mitchell

érial No.:

10/614,535

For:

MULTI-TRACK OPTICAL ENCODER EMPLOYING BEAM

**DIVIDER** 

Filing Date:

July 7, 2003

Examiner:

Not Yet Assigned

Art Unit:

2881

## Certificate of Mailing Under 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents. PO Box 1450, Alexandria, VA 22313-1450 on:

Date: December 6, 2004

By:

Tammy L. Rosado

(Typed or printed name of person mailing Document, whose signature appears below)

Signature: MMMy & Posado

MAIL STOP AMENDMENT

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

| []    | under 37     | CFR 1.129(a), | or (If IDS | filed as | first/second | submission |
|-------|--------------|---------------|------------|----------|--------------|------------|
| after | Final Reject | ction);       |            |          |              |            |

[X] under 37 CFR 1.97(b), or (If IDS Filed within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last);

under 37 CFR 1.97(c) together with either: U.S. Application No.: <u>10/614,535</u> Attorney Docket No.: <u>MCE04-17</u>

- 2 -

|       | []  | a Statement under 37 CFR 1.97(e), as checked below, or   |  |  |  |
|-------|---|--|--|--|--|
|       | [ ] a \$180.00 fee under 37 CFR 1.17(p), or (If filed after the 1.97(b) time period, but before final action or notice of allowance whichever occurs first)   |  |  |  |  |
| []    | under 37 CFR 1.97(d) together with:   |  |  |  |  |
|       | []  | a Statement under 37 CFR 1.97(e), as checked below, and  |  |  |  |
|       | []  | a Petition under 37 CFR 1.97(d)(2), and  |  |  |  |
|       | [ ] a \$130.00 petition fee set forth in 37 CFR 1.17(i). (If IDS filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)  |  |  |  |  |
|       | [ ]<br>be pla<br>issue  | Applicant requests that the attached IDS and cited reference(s) aced in the application filewrapper. (If IDS filed after payment of fee)                             |  |  |  |
| State | ment U  | nder 37 CFR 1.97(e)  |  |  |  |
| []    | Each item of information contained in this Information Disclosure<br>Statement was cited in a communication from a foreign patent office in a<br>counterpart foreign application not more than three months prior to the<br>filing of this Information Disclosure Statement; or   |  |  |  |  |
| []    | No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. |  |  |  |  |
| Enclo | sed he  | rewith is Form PTO-1449:   |  |  |  |
|       | []<br>qualify   | Copy of the cited references are enclosed except for those which under 37 CFR 1.98(a)(2)(i).   |  |  |  |
|       | [ ]<br>prior a<br>are no  | Copy of cited references are enclosed except those entered in a application, having U.S. Serial No, and references that trequired to be submitted under 37 CFR 1.98. |  |  |  |
|       | [ ]<br>Searc  | The listed references were cited in the enclosed International h Report in a counterpart foreign application.  |  |  |  |

[X] Pursuant to the Official Gazette Notice of August 5, 2003 the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication is waived for all U.S. national patent applications filed after June 30, 2003.

## Concise Explanation Requirement (required for non-English references):

| [] T     | he "concise explanation" requirement for reference(s)     |
|----------|---|
| under 37 | 7 CFR 1.98(a)(3) is satisfied by:                         |
| [        | the explanation provided on the attached sheet.           |
| [        | ] the explanation provided in the Specification.          |
| [        | ] submission of the enclosed International Search Report. |
| [        | ] the enclosed English language abstract.                 |
|          |   |

It is requested that the information disclosed herein be made of record in this application.

#### Method of payment:

[X] No fee is required for this Information Disclosure Statement.

[ ] Enclosed is a check for \$180.00, which covers the Information Disclosure Fee.

[ ] A copy of this Statement is enclosed.

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

Respectfully submitted,

Bv:

James F. Thompson, Esq.

U(S.F.T.O. Registration No.: 36,699

Attorney for Applicant CHAPIN & HUANG, L.L.C. Westborough Office Park 1700 West Park Drive

Westborough, Massachusetts 01581

Telephone: (508) 366-9600 Facsimile: (508) 616-9805

Attorney Docket No.: MCE04-17

Dated: December 6, 2004

| PTO-1449 REPRODUCED  INFORMATION DISCLOSURE CITATION  IN AN APPLICATION |                        |                  | ATTORNEY DOCKET NO.        | APPLICA    | 10/614,535 |  |          |  |
|---|------------------------|------------------|----------------------------|------------|------------|--|----------|--|
|   |                        |                  | MCE04-17                   |            |            |  |          |  |
| IP EUS  | several sheets if nece | ssary)           |                            |            |            |  |          |  |
| 01/20   |                        |                  | APPLICANT                  |            |            |  |          |  |
| 200   | \x                     |                  |                            | ld K. Mito | hell       |  |          |  |
| DEC 0 8 2004  |                        |                  | FILING DATE July 7, 2003   | GROUP      | GROUP 2881 |  |          |  |
| -   | -6/                    | U.S.             | PATENT DOCUMENTS           |            | 2001       |  |          |  |
| EXAM THADEM   | NET .                  |                  |                            |            |            |  |          |  |
| EXAN-INAUS  |                        | 53.775           | NAME.                      | 07.700     | CHE CLASS  | FILING   |          |  |
| INER<br>INI-  | DOCUMENT NUMBER        | DATE<br>mm/dd/yy | NAME                       | CLASS      | SUB-CLASS  | I APPROP   |          |  |
| TIAL  |                        |                  |                            |            |            |  |          |  |
|   | 5,214,280              | 5/25/93          | Rieder et al.              | 250        | 237G       | 4/10   | /92      |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        | .,               |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            | ļ  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
| <del></del>   |                        |                  |                            |            |            | <del>                                     </del> |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            | _          |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
| į   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            | -  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        | FOREI            | GN PATENT DOCUMENTS        |            |            |  |          |  |
|   |                        |                  |                            |            | SUB-CLASS  | TRANSL   | ATION    |  |
|   | DOCUMENT NUMBER        | DATE             | COUNTRY                    | CLASS      |            | YES  | NO       |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
| <u> </u>  |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   | OTHER DOCUMENTS        | (Including A     | uthor, Title, Date, Pertin | ent Page:  | s. Etc.)   | 1  | <u>L</u> |  |
|   | January Doubling       | ,                |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  | -        |  |
|   |                        |                  |                            |            |            |  |          |  |
| <del>                                     </del>                        |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
| EXAMINER  |                        |                  | DATE CONSIDERED            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |
|   |                        |                  |                            |            |            |  |          |  |